Amendments t the Specification

Please amend the following paragraph on page 9, lines 1 to 7:

The present invention yet further provides a method for treating a mammal that has been exposed to a harmful dose of radiation or a chemotherapeutic agent, the method comprising administering to the mammal an effective dose of a HBGF analog of any of formula I, II, III or IV. Particularly preferred are HBGF wherein X ~~bindings~~ binds an FGF HBGFR, and more preferably an FGF-7 receptor. The method includes administering to the mammal an effective dose of the synthetic heparin-binding growth factor analog to ameliorate the harmful effects of the radiation or chemotherapeutic agent, which may include mucositis, G.I. syndrome, or radionecrosis.

Please amend the following paragraph on page 13, lines 9 to 13:

Additionally, the amino acids of the X, Y and Z component regions of the synthetic HBGF analogs of the invention can include any of the non-biological amino acids, i.e. those not normally found in living systems, such as for instance, a straight chain amino-carboxylic acid not found in nature. Examples of straight chain amino-carboxylic acids not found in nature include 6-aminohexanoic acid, ~~and~~ 7-aminoheptanoic acid, 9-aminononanoic acid and the like.

Please amend the following paragraph on page 46, lines 2 to 7:

EXAMPLE 20

A synthetic HBGF analog, B2A2-1.2, is synthesized by standard solid phase peptide synthesis methods. The amino acid sequences of B2A2-1.2 corresponding to regions Y and Z of formula II is identical to those of F2A3 described in Example 1. The amino acid sequence ISMLYLDENEKVVLKNY (SEQ ID NO:17) of the two X region peptides corresponds to amino acids found in the beta 7 and beta 8 region of ~~BMP-2~~ BMP-2.